

Technical Information

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derypol

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Hygel LE305

Product for cosmetic applications

DESCRIPTION

Thickener for cosmetic.

INCI Name: Polyacrylamide & C13-14 Isoparaffin & Laureth-7.

CHARACTERISTICS

Type of product	: Acrylic copolymer (dispersed in mineral oil)
Appearance	: Translucid emulsion
Ionic character	: Anionic
Thickening test (2%)	: 65000 - 90000 cP
pH	: 5 – 7
Viscosity	: 1500 – 5500 cP
Shelf life	: We recommend not keeping the product for more than 12 months

Note: The parameters indicated here are not necessarily the specifications of the product. These will be agreed with each customer and will be part of the contract that must be respected for each batch supplied.

APPLICATION

- The product is a ready to use without any neutralization if pH of the cosmetic formulation is 6 or higher.
- It allows the formulation of highly stable suspensions and O/W emulsions in a wide range of pH.
- The product solutions are pseudoplastic and non thixotropic. Viscosity decreases with shear stress and recovers instantly to the initial value when this stress disappears (not time dependant).
- Derypol guarantees the quality of the product, in the terms agreed with the client as "product specifications", during the time established as the warranty period (shelf-life), as long as it is kept in good conditions, according to the recommendations indicated in section 7 of our MSDS. For any formulation of the product, it will be the client responsibility to carry out the necessary studies to guarantee that the stability and characteristics are as desired. Derypol assumes no responsibility regarding the stability and characteristics of such formulations.

Consult our technical staff in case of any doubt.

BENEFITS

- Suitable for hair and skin care formulations.
- Provides a soft and unctuous texture in gels or creams.
- The product solutions do not show significant changes in viscosity and stability at high temperatures.
- Effective in a wide pH range.
- Excellent properties as a formulation stabilizer and as a suspension agent, both for liquid-liquid suspensions and solid particle suspensions.
- Easy to handle and dissolve.
- Its particular rheological behavior helps to apply high viscosity products.

STORAGE AND DISTRIBUTION

- The product should be kept in a covered place, the container tightly closed, protected from sunlight and within the temperature range recommended in Section 7 of the Safety Data Sheet.
- Once the container is open, avoid contamination. Check the Material Safety Data Sheet.
- Take the habitual precautions when handling a chemical product. Avoid the product to contact with eyes, skin or clothes.
- There is a great variety of containers. Check with our Customer Service in order to choose the most convenient one.

REGULATORY

Consult our technical staff in case of any doubt.